



Peter Brinton <peterbrinton@utah.gov>

Milford Quarry

Temporary Seed mix & weeds (halogeton)

1 message

Ginouves, Edward <eginouve@blm.gov>

Fri, Jun 13, 2014 at 11:18 AM

To: james.nicholson@martinmarietta.com, Peter Brinton <peterbrinton@utah.gov>

James:

Thank you for taking the time last Tuesday to meet with myself and Peter Brinton at Martin Marietta's Milford Quarry. As we discussed during our meeting, BLM's principal concern with the operation is the management of the invasive species *Halogeton glomeratus* on disturbed areas within the permit area. Given the poor soils and the very dry conditions at the site, the presence of Halogeton is to be expected and is unavoidable. The best we can work towards on the site is the management of the species, with the goal of reducing infestation areas and seed production, particularly on topsoil stockpile areas and on any material that will be used as growth media for the ultimate reclamation of the site disturbances. Given the amount of seed Halogeton produces and its longevity, management of it on the site will require herbicide applications at least annually in the spring, when the plants are most vulnerable, and perhaps again in the fall as some plants germinate in the fall and overwinter before going to seed.

The priority areas for herbicide treatment are the growth media stockpiles and any other material that will be used to supplement this material (reject fines). It is critical that the growth media stockpiles be seeded with species capable of competing with the halogeton and reducing its presence on these areas. The seed mix BLM recommends for the growth media temporary seeding is:

Crested wheatgrass (Siberian):	6 lbs/acre
Yellow sweetclover:	2 lbs/acre
Forage kochia:	2 lbs/acre
Tall wheatgrass:	2 lbs/acre

As for the test plot areas, keep in mind we're using these to learn what is going to make the most sense when we get to final site reclamation. I think we all agreed from our inspection of the test area that some slope gullying will need to be repaired and the upper level test surface needs to be re-worked to allow capture of any rain that does fall. Avoid creating really smooth surfaces. Furrowing created by ripping on the gentle gradient surfaces and on slope contour is advisable to improve moisture retention and concentrate it to allow desirable species to get a foothold. The re-prepped areas can be seeded with seed mix given above.

Herbicide use on BLM-managed lands in the large mine permit area needs to be authorized by a Pesticide Use Proposal (PUP). The PUP's are a requirement of the nation-wide EIS and local office EA that cover pesticide use on public lands. They are a safeguard that all pesticide use on public lands is within the limits analyzed in the NEPA.

Attached are PUP applications suitable for use of Picrolam (Tordon) and for 2,4-D (Weedmaster) for spraying halogeton. The PUP's can cover up to three years at a time (or so they tell me), so I made the applications for 3 years.

If you're pressed for time to get the spraying underway, just get the PUP signed and back to me and go for it. Don't wait on our internal review and signature as there's nothing in this proposal that is going to be an issue.

The actual application of the herbicide is documented by a Pesticide Application Record, which is sent to me anytime you spray on BLM land in the permit area.

6/16/2014

State of Utah Mail - Milford Quarry

The only contract certified weed sprayer in the Beaver-Milford area I'm currently aware of is Wendy Paris, BP Livestock, 775-293-0209. The weed specialist at our office is, as you might guess, out frantically spraying noxious weeds before they go to seed, but I'll connect with them next week and ask if the Beaver County sprayer is an option also.

Know that I'm open to trying anything that has proven successful under similar site challenges - don't hesitate to suggest something that you think will help the weed management effort.

—

Ed Ginouves
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4 attachments



BLM_Pesticide_Application_Record_Form_(2012).doc
27K



BLM_Pesticide_Use_Limitations.docx
18K



Pesticide Use Proposal 2 4 D - Milford Quarry.doc
39K



Pesticide Use Proposal Picloram - Milford Quarry.doc
38K